

Technical Bulletin #74:

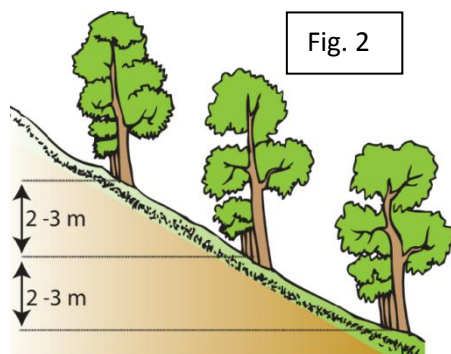
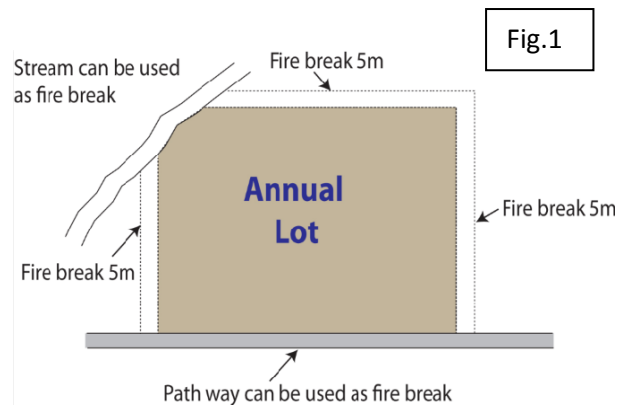
Enrichment Planting

Enrichment planting means planting trees to increase the density (number of trees per hectare) in an already established forest.

SITE PREPARATION

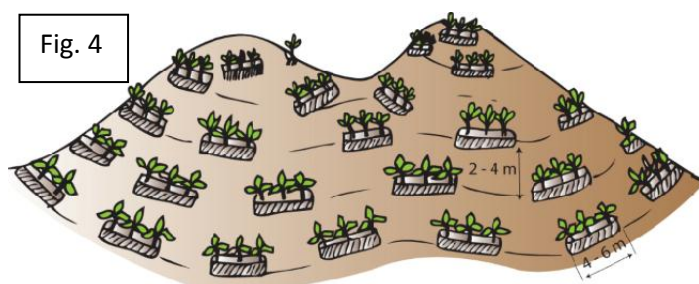
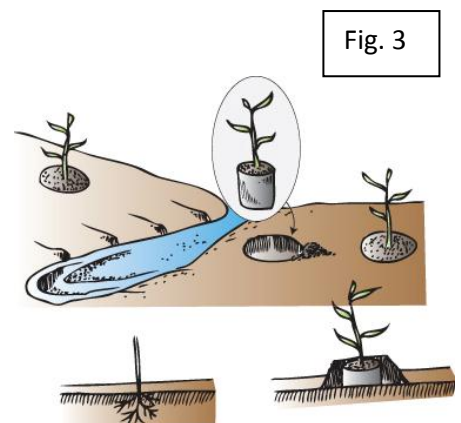
The exact number of seedlings must be known for the entire site and volunteers and team leaders must be trained and prepared in advance.

Where necessary, a firebreak (a gap in vegetation or other combustible material that acts as a barrier to slow or stop the progress of a wildfire) of at least 5 meters around the reforestation site must be prepared, by clearing and cutting the woody shrubs and grasses and removing easily inflammable materials. The firebreak can also be used as a road and vice versa (Fig. 1).



Consider micro-environmental conditions such as slope (Fig. 2 and 4)...

... water catchments and rocky surfaces (Fig. 3).



Do not plant new seedlings near existing trees and do not remove the existing trees (Fig. 5).



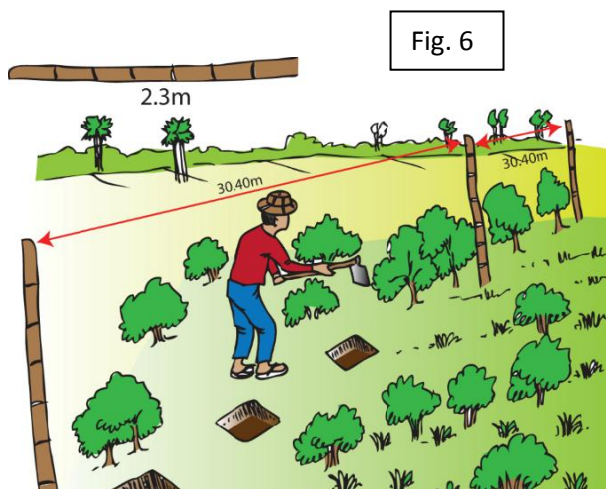


Fig. 6



Fig. 7

A few days before the tree planting event use a rope tied between poles to assist in positioning planting holes in straight lines. Sticks with red paint on one end should be placed where seedlings must be planted (Fig. 6 and 7).

TREE PLANTING

- Holes: dig holes for seedlings, 30 cm x 30 cm and keep the top soil separate;
- Planting: place seedling in holes and treat the seedling carefully so the fine roots do not break;
- Filling: use the topsoil at the bottom of the hole to fill it up first as it is more fertile and fertility is needed in depth for the development of roots (Fig. 8);
- Give every seedling 2-3L of water, 50 grams of nitrogen fertilizer, and mulch.

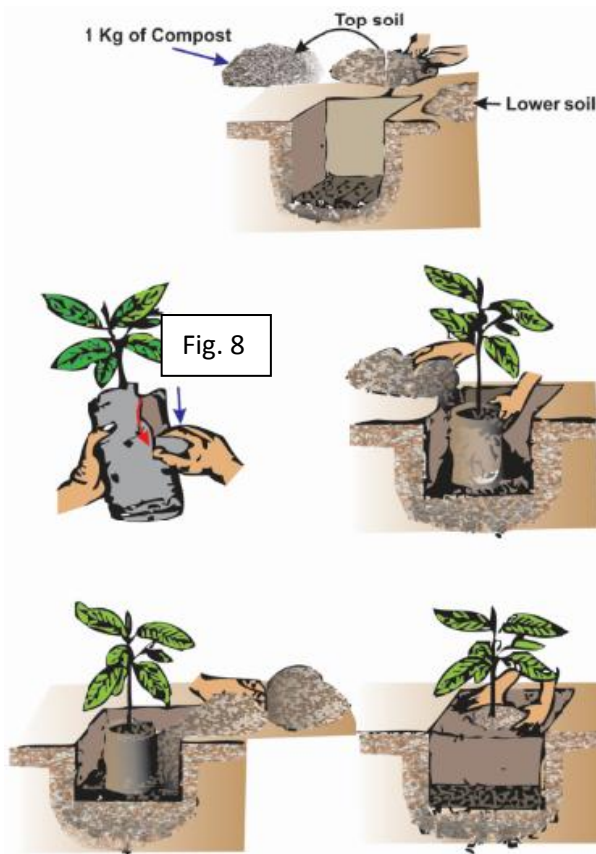


Fig. 8

Cambodia HARVEST

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